PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031*
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid DMB control number

Substitute	e for form 1449A/PTC)		Complete If Known		
				Application Number	Unassigned	
INFO	RMATION	DIS	CLOSURE	Filing Date	July 30, 2003	
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	Ji Eun JANG	
				Group Art Unit	Unassigned	
	(use as many she	ets as	necessary)	Examiner Name	Unassigned	
Sheet	1	of	1	Attorney Docket Number	40296-0032	

U.S. PATENT DOCUMENTS							
	U.S. Patent Document Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
No.1				Cited Document MM-DD-YYYY			
A01	6,343,048	B1	Jung	1/29/2002			
A02	6,392,909	B1	Jang et al.	5/21/2002			
A03	6,542,976	B2	Barth et al.	4/1/2003			
				•			
	A01	A01 6,343,048 A02 6,392,909	U.S. Patent Document	U.S. Patent Document Name of Patentee or Applicant of Cited Document	U.S. Patent Document Name of Patentee or Applicant of Cited Document MM-DD-YYYY		

				FOREIGN	PATENT DOCUMENTS			
Examiner Initials*	Cite No. ¹	Office ³	oreign Patent (Number ⁴	Kind Code ⁵ (# known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T _o
anne	A04		2000- 24309	В	FUJITSU LTD.; FUJITSU VLSI	9/8/2000		
1	A05		2001-678	394	TOSHIBA CORP	3/16/2001		
	A06		2001- 19589		SAMSUNG ELECTRONICS CO LTD	7/19/2001		
m	A07		2002- 23099	6	MITSUBISHI ELECTRIC CORP	8/16/2002		
<u> </u>								

Examiner Signature	myller	Date Considered	11/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark hee if English language Translation is attached.

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Approved for use through 10/31/2002. OMB 0651-0031

S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no page are required a respond to a collection of information unless it contains a valid OMB control number.

Or form 1449APTO

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete if Known					
Application Number	10/629,672				
Filing Date	July 30, 2003				
First Named Inventor	Ji Eun JANG				
Group Art Unit	2818				
Examiner Name	Unassigned				
Attorney Docket Number	40296-0032				

U.S. PATENT DOCUMENTS							
Examiner Initials *	1	U.S. Patent Document Kind Code ² (if known)		Name of Petentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
	Cite No. ¹			Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
				+			
	-			<u> </u>			
		-					
	 						
	 			 			

		-		FOREIGN PA	TENT DOCUMENTS				
			Foreign Patent Do			Date of	Pages, Columns, Lines, Where		
Examiner Initials*		Cite No.1	Office ³	Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Publication of Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear	T ₆
me	B01	JP	09-298221		YAMAHA CORP.	11/18/1997			
me	B02	JP	01-095529		MITSUBISHI ELECTRIC CORP.	4/13/1989			
							,		
	j								

Examiner Signature	myfull	Date Considered	11/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark hee if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington,